

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 2    | (347/100 or 106/31/13 or 106/31/27 or 106/31.6) and (oil \$1soluble).clm. same polymer.clm. same compound.clm. with formula.clm.           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2008/06/04<br>14:08 |
| L2    | 1    | (347/100 or 106/31/13 or 106/31/27 or 106/31.6) and (oil \$1soluble near dye ).clm. same polymer.clm. same compound.clm. with formula.clm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2008/06/04<br>14:08 |
| S1    | 263  | pigment and hydrophobic and bivalent and hetero  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/05/04<br>12:19 |
| S2    | 90   | pigment and hydrophobic and bivalent and hetero and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/06<br>09:43 |
| S3    | 21   | pigment and hydrophobic and bivalent and hetero and ink\$jet   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/06<br>09:41 |
| S4    | 2    | "20040239740"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/06<br>09:52 |
| S5    | 4    | "10095942" "07219113"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/01/24<br>09:39 |
| S6    | 1    | 347/100 and hetero adj bond same bivalent  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/01/07<br>12:42 |
| S7    | 6    | hetero adj bond same bivalent  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/06<br>11:10 |
| S8    | 13   | "09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/06<br>11:09 |

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| S9  | 10      | hetero adj bond same (bi\$valent or di\$valent)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>11:10 |
| S10 | 8       | hetero adj bond same (bi\$valent or di\$valent) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>11:11 |
| S11 | 546     | hetero same (bi\$valent or di\$valent) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>11:11 |
| S12 | 145     | hetero with bond\$3 same (bi\$valent or di\$valent) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>11:12 |
| S13 | 44      | hetero near5 bond\$3 same (bi\$valent or di\$valent) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>11:23 |
| S14 | 11      | hetero near5 bond\$3 near5 link\$3 same (bi\$valent or di\$valent) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>12:59 |
| S15 | 165     | (link\$3 with bond\$3 with (nitrogen or oxygen or sulfur or halide\$2 or hetero)) same (bi\$valent or di\$valent) and ink       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>13:41 |
| S16 | 11      | (link\$3 with bond\$3 with (nitrogen or oxygen or sulfur or halide\$2 or hetero)) same (bi\$valent or di\$valent) and "347"/\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06<br>13:01 |
| S18 | 1512525 | (ether or thioether or ester or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea)         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:10 |
| S19 | 187276  | bi\$valent or di\$valent  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:10 |
| S20 | 23155   | S18 with S19  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:11 |

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| S21 | 1897129 | link\$3   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:11 |
| S22 | 4229    | S20 with S21  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:12 |
| S23 | 96765   | ink\$jet  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:12 |
| S24 | 88965   | hetero  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:12 |
| S25 | 116     | S22 with S24  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>14:13 |
| S26 | 6       | S25 and S23   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:08 |
| S28 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O--") or ("--CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:08 |
| S29 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O--") or ("--CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:09 |
| S30 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O--") or ("--CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$)                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:10 |
| S31 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O--") or ("--CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$) and (surface adj tension) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:10 |

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| S32 | 503  | ("--CH.sub.2CH"(OH)"CH.sub.2O"-->) or ("--CH.sub.2C("CH.sub.3") (OH)"CH.sub.2O"-->) or ("--CH.sub.2C("C.sub.2H.sub.5")(-OH)"CH.sub.2O"-->) and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter)           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:14 |
| S33 | 0    | ("--CH.sub.2CH"(OH)"CH.sub.2O"-->) or ("--CH.sub.2C adj ("CH.sub.3") (OH) adj CH.sub.2O"-->) or ("--CH.sub.2C("C.sub.2H.sub.5") (-OH)"CH.sub.2O"-->) and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:14 |
| S34 | 0    | ("--CH.sub.2CH"(OH)"CH.sub.2O"-->) or ("--CH.sub.2C("C.sub.2H.sub.5")(- OH)"CH.sub.2O"-->) and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:15 |
| S35 | 25   | ink\$jet and penetration adj promoter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:18 |
| S36 | 1222 | ink\$jet and (surface adj tension) with ("20" or "60")  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:19 |
| S37 | 336  | 347/100 and (surface adj tension) with ("20" or "60")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06<br>15:19 |
| S38 | 247  | (oil\$soluble or oil near soluble) with polymer and dissocia\$5   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:01 |
| S39 | 71   | (oil\$soluble or oil near soluble) with polymer and dissocia\$5 and ink\$jet  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:04 |
| S40 | 66   | (oil\$soluble or oil near soluble) with (polymer and dye) and dissocia\$5 and ink\$jet  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:07 |
| S41 | 2    | "11286637"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:27 |

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| S42 | 452   | ((oil\$soluble) with (polymer and dye)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:42 |
| S43 | 43446 | dissociative or dissociable or dissociate or dissociates or dissociating or disassociative | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:55 |
| S44 | 9804  | mmol\$g  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:38 |
| S45 | 23    | S43 with S44   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:38 |
| S46 | 17    | S45 and S42  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:38 |
| S47 | 17    | S46 and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:38 |
| S48 | 452   | ((oil\$soluble) with polymer) and ((oil\$soluble) with dye)                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:01 |
| S49 | 17    | S48 and S45  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>08:43 |
| S50 | 26    | ((oil\$soluble) with polymer) same (carboxyl or sulfonic) and ((oil\$soluble) with dye)    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:01 |
| S51 | 8     | S45 and S50  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:01 |
| S52 | 6165  | dissociative or dissociable  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:55 |

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| S53 | 17     | S52 with S44                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>11:55 |
| S54 | 12     | S52 and S50                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>12:26 |
| S55 | 55     | oil\$soluble with polymer with<br>mass     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>12:27 |
| S56 | 64     | oil\$soluble with dye with mass            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>12:27 |
| S57 | 24     | S56 and S55 and ink                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>12:29 |
| S58 | 24     | S56 and S55                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>12:32 |
| S59 | 13     | S56 and S55 and (percent or<br>percentage) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:11 |
| S60 | 206667 | polyvinyl alcohol                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:12 |
| S61 | 19712  | polyvinyl near alcohol and ink             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:12 |
| S62 | 19653  | (polyvinyl adj alcohol) and ink            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:12 |
| S63 | 4415   | (polyvinyl adj alcohol) and ink\$jet       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:12 |

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| S64 | 80086   | (aono or ikeda) in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:14 |
| S65 | 595     | (aono or ikeda) in. and ink\$jet   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12<br>14:14 |
| S66 | 20531   | ink and poly\$vinyl adj alcohol\$1   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:01 |
| S67 | 6674    | ("347"/\$3 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:08 |
| S68 | 2973    | ("347"/\$3 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1 and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:08 |
| S69 | 4157426 | "100"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:08 |
| S70 | 5554    | ("347"/100 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>10:58 |
| S71 | 538     | ("347"/100) poly\$vinyl adj alcohol<br>\$1   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:12 |
| S72 | 486     | "C.sub.3" with "H.sub.6" with "O.<br>sub.2"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:13 |
| S73 | 886     | ("C.sub.3" with "H.sub.6" with "O.<br>sub.2") or ("C.sub.4" with "H.<br>sub.8" with "O.sub.2") or ("C.<br>sub.3" with "H.sub.10" with "O.<br>sub.2") and "347"/\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:14 |
| S74 | 376     | ("C.sub.3" adj "H.sub.6" adj "O.<br>sub.2") or ("C.sub.4" adj "H.sub.8"<br>adj "O.sub.2") or ("C.sub.3" adj "H.<br>sub.10" adj "O.sub.2") and "347"/<br>\$3        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:18 |

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| S75 | 0    | ((("C.sub.3" adj "H.sub.6" adj "O.sub.2") or ("C.sub.4" adj "H.sub.8" adj "O.sub.2") or ("C.sub.3" adj "H.sub.10" adj "O.sub.2")) with (group or sub\$group) and "347"/\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:19 |
| S76 | 0    | ((("C.sub.3" adj "H.sub.6" adj "O.sub.2") or ("C.sub.4" adj "H.sub.8" adj "O.sub.2") or ("C.sub.3" adj "H.sub.10" adj "O.sub.2")) same (group or sub\$group) and "347"/\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:21 |
| S77 | 1166 | (kenji near ikeda) or (toshiaki near aono)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:21 |
| S78 | 104  | S77 and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:31 |
| S79 | 463  | CH2CH(OH)CH2O  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15<br>15:32 |
| S80 | 214  | CH2CH(OH)CH2O  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15<br>15:32 |
| S81 | 8    | CH2CH(OH)CH2O and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15<br>15:35 |
| S82 | 0    | CH2C(CH3)(OH)CH2O and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15<br>15:36 |
| S83 | 0    | CH2C(C2H5)(OH)CH2O and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15<br>15:36 |
| S84 | 1667 | 347/100  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>10:58 |
| S85 | 2    | "10095942"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>11:22 |



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| S86 | 8    | "6048660"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>12:37 |
| S87 | 2    | "07219113"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>12:37 |
| S88 | 2    | "20020143079"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>12:55 |
| S89 | 1854 | 347/100.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>13:56 |
| S90 | 3    | "2001181548"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16<br>13:56 |
| S91 | 2    | "6521031"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:40 |
| S92 | 581  | photopolymerizable adj monomer<br>and ink                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:40 |
| S93 | 11   | photopolymerizable adj monomer<br>with oil\$soluble with dye and ink | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:42 |
| S94 | 11   | photopolymerizable adj monomer<br>with oil\$soluble with dye         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:43 |
| S95 | 6    | "10095942" "200181548"<br>"6521031"                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:46 |
| S96 | 1    | 2002-049273.NRAN.  | DERWENT  | AND | OFF | 2005/12/16<br>14:44 |
| S97 | 0    | "20010181548"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:45 |

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| S98  | 2    | "200181548"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:46 |
| S99  | 3    | "2001081548"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16<br>14:46 |
| S100 | 0    | photo\$polymerizable\$monomer<br>with oil\$soluble near dye and ink           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:05 |
| S101 | 12   | photo\$polymerizable adj monomer<br>with oil\$soluble near dye and ink        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:07 |
| S102 | 12   | photo\$polymerizable adj monomer<br>\$1 with oil\$soluble near dye and<br>ink | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:06 |
| S103 | 12   | photo\$polymerizable adj monomer<br>with oil\$soluble near dye                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:15 |
| S104 | 2087 | photo\$polymerizable adj monomer  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:08 |
| S105 | 629  | S104 and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:09 |
| S106 | 228  | S104 and hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:10 |
| S107 | 128  | S104 and hydrophobic and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:11 |
| S108 | 39   | S104 with ink and dye   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:11 |
| S109 | 1    | 2004-286760.NRAN  | DERWENT  | AND | OFF | 2005/12/19<br>07:12 |

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| S110 | 19 | photo\$polymerizable adj monomer and oil\$soluble near dye                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:15 |
| S111 | 7  | S110 not S102  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:20 |
| S112 | 3  | "2001181548"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:20 |
| S113 | 1  | 2002-002086.NRAN.  | DERWENT  | AND | OFF | 2005/12/19<br>07:21 |
| S114 | 2  | "20020067399"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>07:36 |
| S115 | 3  | "2002088294"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>09:02 |
| S116 | 4  | "6509125"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>09:02 |
| S117 | 3  | "2002088294"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19<br>09:32 |
| S118 | 0  | ("6521031" "6048660"<br>"20020143079" "20020060727").<br>pn.                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/05/04<br>12:19 |
| S119 | 8  | ("6521031" "6048660"<br>"20020143079" "20020060727").<br>pn.                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>12:20 |
| S120 | 13 | ("09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381").pn.                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:06 |
| S121 | 4  | ("09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381").pn.<br>and pigment | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>12:22 |

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| S122 | 1191 | ((aono.in. near toshiaki) or (ikeda.in. near kenji))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>12:22 |
| S123 | 126  | ((aono.in. near toshiaki) or (ikeda.in. near kenji)) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>12:23 |
| S124 | 1    | 1998-280511.NRAN.  | DERWENT  | AND | OFF | 2006/05/04<br>12:52 |
| S125 | 1    | 1995-323727.NRAN.  | DERWENT  | AND | OFF | 2006/05/04<br>12:34 |
| S126 | 472  | ink and general near formula   | DERWENT  | AND | OFF | 2006/05/04<br>12:55 |
| S127 | 2    | ((bi\$valent with link\$3 with group with hetero near bond)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:07 |
| S128 | 9    | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with group with hetero near bond)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:09 |
| S129 | 9    | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with hetero near bond)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:12 |
| S130 | 587  | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with (hetero or heterocyclic) with bond)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:12 |
| S131 | 12   | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with (hetero or heterocyclic) near bond)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:13 |
| S132 | 208  | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:14 |
| S133 | 84   | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04<br>13:16 |

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| S134 | 19  | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) and pigment         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/04<br>13:21 |
| S135 | 11  | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) and pigment and ink | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:01 |
| S136 | 4   | ("100095942" "2001181548" "6521031").pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>13:15 |
| S137 | 294 | (oil near soluble near dye) same (water near soluble near dye)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:13 |
| S139 | 56  | (oil near soluble near dye) same (water near soluble near dye) and (347/100 or "106"/\$5)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:45 |
| S140 | 11  | (oil near soluble near dye) with (hydrophobic with polymer) and (347/100 or "106"/\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:47 |
| S141 | 0   | (water near soluble near dye) with (hydrophobic near polymer) and (347/100 or "106"/\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:48 |
| S142 | 2   | (water near soluble near dye) same (hydrophobic near polymer) and (347/100 or "106"/\$5)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>12:48 |
| S143 | 1   | 10/765929  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>13:13 |
| S144 | 0   | ("200200067399").pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10<br>13:16 |

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| S145 | 2   | ("20020067399").pn  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/05/10<br>13:16 |
| S146 | 2   | "6068963".pn  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>11:39 |
| S147 | 2   | "6048660".pn  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>14:52 |
| S148 | 1   | 10/767062   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>11:59 |
| S149 | 679 | ("CH.sub.2CH"(OH)"CH.sub.2O")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>11:59 |
| S150 | 61  | ("CH.sub.2CH"(OH)"CH.sub.2O")   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>12:22 |
| S151 | 61  | ("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.3")<br>(OH)"CH.sub.2O")          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>12:23 |
| S152 | 61  | ("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.3")<br>(OH)"CH.sub.2O") and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>12:23 |
| S153 | 61  | ("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.3")<br>(OH)"CH.sub.2O")          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>12:24 |
| S154 | 61  | ("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.3")<br>(OH)"CH.sub.2O") and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>12:24 |
| S155 | 22  | ("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.3")<br>(OH)"CH.sub.2O")) and ink | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>13:36 |

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| S156 | 2  | ((("CH.sub.2CH"(OH)"CH.sub.2O") or ("CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O")) and 347/100   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>13:37 |
| S157 | 3  | ((("CH.sub.2CH"(OH)"CH.sub.2O") or ("CH.sub.2C"("CH.sub.3") (OH)"CH.sub.2O") or ("CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O")) and ("106"/\$5 or 347/100) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12<br>13:41 |
| S158 | 2  | 10/797062 or 10/765929  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>14:53 |
| S159 | 2  | 10/767062 or 10/765929  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:20 |
| S160 | 2  | ink and (oil\$soluble near dye) same (oil\$soluble near polymer) same pigment   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:28 |
| S161 | 13 | ink and (oil\$soluble near dye) same pigment and (oil\$soluble near polymer)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:26 |
| S162 | 44 | ink and ((oil\$soluble or hydrophobic) near dye) same pigment and ((oil\$soluble or hydrophobic) near polymer)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:28 |
| S163 | 77 | ink and (oil\$soluble near dye) and (oil\$soluble near polymer) and pigment   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:29 |
| S164 | 66 | ink and (oil\$soluble near dye) same (oil\$soluble near polymer) and pigment  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12<br>15:29 |
| S165 | 11 | ink and (oil\$soluble near dye) same pigment and (oil\$soluble dye) same (oil\$soluble near polymer)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/10<br>10:14 |
| S166 | 1  | 11/043215   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/13<br>14:49 |

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| S167 | 1   | 11/058804   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/13<br>14:49 |
| S168 | 200 | (oil near soluble) near3 (dye and polymer) and (pigment)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:10 |
| S169 | 165 | (oil near soluble) near3 (dye and polymer) and (pigment) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:11 |
| S170 | 42  | (oil near soluble) near3 (dye and polymer) and (pigment) and 347/100  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:42 |
| S171 | 2   | "20030061965"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:20 |
| S172 | 1   | 10/765929 and oil\$soluble near polymer   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:23 |
| S173 | 38  | oil\$soluble near polymer with stability  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:23 |
| S174 | 24  | oil\$soluble near polymer with stability and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:41 |
| S175 | 2   | "20030073563"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:41 |
| S176 | 36  | hanaki.in. and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:41 |
| S177 | 2   | (oil near soluble) near3 (dye and polymer) and (pigment) and (photo\$polymeriz\$4 with monomer) and 347/100 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:43 |



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| S178 | 8   | (oil near soluble) near3 (dye and polymer) and (pigment) and (photo\$polymeriz\$4 with monomer) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05<br>12:43 |
| S179 | 2   | "6068963".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/10<br>10:03 |
| S180 | 1   | "6068963".pn. and (ink same (dye and pigment))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/10<br>10:10 |
| S181 | 1   | "6068963".pn. and ((dye same pigment))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/10<br>10:13 |
| S182 | 49  | 347/100.ccls. and (soluble same dye same pigment) and ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) with bond\$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/10<br>10:19 |
| S183 | 2   | "5599859".pn. and (soluble same dye)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/10<br>10:25 |
| S184 | 1   | 10/767062  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:31 |
| S185 | 141 | ((aono.in. near toshiaki) or (ikeda.in. near kenji)) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/01/24<br>09:50 |
| S186 | 1   | 1998-280511.NRAN.  | DERWENT  | AND  | OFF | 2007/01/24<br>09:54 |
| S187 | 526 | ink and (MP103 or MP203 or MP102 or (MP adj "102") or (MP adj "103") or (MP adj "203"))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:38 |
| S188 | 3   | ink and (MP103 or MP203 or MP102 or (MP adj "102") or (MP adj "103") or (MP adj "203")) and aono.in.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:48 |

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| S189 | 2  | "6197724".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:54 |
| S190 | 2  | "20030235707"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:49 |
| S191 | 1  | 2004-081572.NRAN.   | DERWENT  | AND  | OFF | 2007/01/24<br>10:49 |
| S192 | 2  | "5753422".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24<br>10:58 |
| S193 | 2  | "20030235707"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/29<br>08:17 |
| S194 | 2  | "5753422".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/29<br>10:08 |
| S195 | 1  | "6509125".pn. and (azo or nitro or methine or porphyrin or azaporphyrin or coumarine or anthraquinone)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/29<br>10:21 |
| S196 | 1  | "6509125".pn. and (aliphatic or aromatic or alicyclic)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/29<br>10:33 |
| S197 | 0  | "6509125".pn. and (polystyrene, polymethacrylate, polyacrylate)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/29<br>10:33 |
| S198 | 17 | ((("20040189764") or ("20020067399") or ("20030061965") or ("6509125") or ("10110126") or ("7268254") or ("2001181548") or ("2002088294")), PN. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/07/18<br>14:45 |
| S199 | 6  | (hydrophobic same bivalent near link\$4 same structur\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/07/18<br>14:46 |

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| S200 | 1  | (hydrophobic same bivalent near link\$4 same structur\$4) and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>14:53 |
| S201 | 24 | (hydrophobic same \$2valent near link\$4 same structur\$4) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>14:53 |
| S202 | 24 | (hydrophobic same \$3valent near link\$4 same structur\$4) and ink   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>15:04 |
| S203 | 7  | (hydrophobic same \$3valent near link\$4 same structur\$4) same ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>15:05 |
| S204 | 2  | "6197724".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>15:09 |
| S205 | 2  | "5753422".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>15:10 |
| S206 | 2  | "6589720".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/18<br>15:10 |
| S207 | 2  | "20030235707"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>13:44 |
| S208 | 4  | "20030235707" or "6068963".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:01 |
| S209 | 0  | "347100" and (ink same pigment) and (ink same dispersant) and (ink same water) and (organic near solvent) and (dry\$3 near inhibit\$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:14 |
| S210 | 0  | "347100" and (ink same pigment) and (ink same dispersant) and (ink same water) and (organic near solvent)                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:14 |

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| S211 | 62   | "347/100" and (ink same pigment) and (ink same dispersant) and (ink same water) and (organic near solvent) and (dry\$3 near inhibit\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:14 |
| S212 | 62   | 347/100 and (ink same pigment) and (ink same dispersant) and (ink same water) and (organic near solvent) and (dry\$3 near inhibit\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:28 |
| S213 | 6    | 347/100 and (ink same pigment) and (ink same dispersant) and (ink same water) and (organic near solvent) and (dry\$3 near inhibit\$3) and (penetrat\$3 with promot\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:16 |
| S214 | 3    | 347/100 and (ink same pigment) and (ink (boiling near\$3 soluble near solvent) and (surface near tension near adjust\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:39 |
| S215 | 3    | 347/100 and (ink same pigment) and ((boiling near\$3 soluble near solvent) and (surface near tension near adjust\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:40 |
| S216 | 2    | "20020077385"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/08/01<br>14:40 |
| S217 | 1809 | (106/31.13,31.27,31.6).COLS.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/01/07<br>12:42 |
| S218 | 24   | ((("2002249695") or ("2002322399") or ("7185673") or ("58108207") or ("2002161225") or ("6068963") or ("20020060727") or ("20020143079") or ("20040239740") or ("9176543") or ("54130620") or ("2001172532")).PN. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/04/03<br>14:53 |
| S219 | 2    | "6800673".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/04/03<br>15:11 |
| S220 | 3    | ("2002322399").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/04/03<br>15:13 |

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| S221 | 2   | ("20020156154").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/04/03<br>15:13 |
| S222 | 763 | MP\$ "203"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:15 |
| S223 | 8   | MP\$ "203" and (347/100 or 106/31 \$3)                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:21 |
| S224 | 8   | MP\$ "203" and (347/100 or 106/31 \$3) and oil                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:35 |
| S225 | 0   | polyvinyl near butryal with oil \$1soluble and ink                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:43 |
| S226 | 35  | polyvinyl near butryal and ink  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:43 |
| S227 | 0   | polyvinyl near butryal with oil and ink                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:43 |
| S228 | 21  | (MP\$ "203" or MP\$ "103" or MP \$ "102") and (347/100 or 106/31 \$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2008/04/03<br>15:44 |

6/ 4/ 2008 2:12:36 PM

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